

Title (en)

METHOD AND DEVICE FOR THE SUPPLY OF CONTROL LIQUID TO A CENTRIFUGAL SEPARATOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HILFSFLÜSSIGKEITZUFUHR ZU EINEM FLIEHKRAFTABSCHIEDER

Title (fr)

PROCEDE ET DISPOSITIF POUR AMENER UN LIQUIDE DE COMMANDE A UN SEPARATEUR CENTRIFUGE

Publication

**EP 0879089 B1 20020612 (EN)**

Application

**EP 97902780 A 19970124**

Priority

- SE 9700114 W 19970124
- SE 9600313 A 19960129

Abstract (en)

[origin: WO9727945A1] Method and device (21) for the supply of control liquid to a rotor of a centrifugal separator, which device (21) comprises a cylinder (25), in which a movable wall element (26) is arranged, which axially delimits a storing chamber (29) in the cylinder (25). In the storing chamber (29) a predetermined volume of control liquid is stored. Control liquid is pressed out of the storing chamber (29) into the rotor during axial displacement of the wall element (26). Furthermore, the invention comprises a centrifugal separator, which is provided with such a device (21). A portion of the control liquid in the storing chamber (29) is pressed upon displacement of the wall element (26) a first distance out through a first outlet passage (33) in the device with a high flow. The first outlet passage (33) is then closed when the wall element (26) has been displaced this distance. A portion of the remaining control volume of control liquid in the storing chamber (29) is pressed out of the storing chamber (29) upon continuing displacement of the wall element (26) a second distance through a second outlet passage (36) in the supplying device (21) with a flow, which is substantially lower than the first flow.

IPC 1-7

**B04B 1/10**; **B04B 11/04**

IPC 8 full level

**B04B 1/10** (2006.01); **B04B 1/14** (2006.01); **B04B 11/04** (2006.01)

CPC (source: EP KR)

**B04B 1/10** (2013.01 - KR); **B04B 1/14** (2013.01 - EP); **B04B 11/04** (2013.01 - KR)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 9727945 A1 19970807**; AU 1678897 A 19970822; CN 1079295 C 20020220; CN 1209760 A 19990303; DE 69713277 D1 20020718; DE 69713277 T2 20021031; EP 0879089 A1 19981125; EP 0879089 B1 20020612; JP 2000504269 A 20000411; JP 4253040 B2 20090408; KR 100478425 B1 20050516; KR 19990082082 A 19991115; RU 2196641 C2 20030120; SE 505099 C2 19970623; SE 9600313 D0 19960129; SE 9600313 L 19970623

DOCDB simple family (application)

**SE 9700114 W 19970124**; AU 1678897 A 19970124; CN 97191913 A 19970124; DE 69713277 T 19970124; EP 97902780 A 19970124; JP 52754797 A 19970124; KR 19980705804 A 19980728; RU 98116265 A 19970124; SE 9600313 A 19960129